Bioactive Full-Length

NEK7 (Human) Recombinant Protein

Catalog # P6530 Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human NEK7 (NP_598001.1, 1 a.a. - 302 a.a.) full length recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.88
Activity	The activity was measured by off-chip mobility shift assay (MSA). The enzyme was incubated with fluorecence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device. Substrate: CDK7 peptide, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study

Gene Info — NEK7

Entrez GeneID	140609
Protein Accession#	NP_598001.1
Gene Name	NEK7
Gene Alias	-
Gene Description	NIMA (never in mitosis gene a)-related kinase 7
Omim ID	606848
Gene Ontology	Hyperlink
Gene Summary	NIMA-related kinases share high amino acid sequence identity with the gene product of the Asper gillus nidulans 'never in mitosis A' gene, which controls initiation of mitosis.[supplied by OMIM
Other Designations	OTTHUMP00000033680

Disease

- Adenocarcinoma
- Genetic Predisposition to Disease
- Pancreatic Neoplasms